

AMENDMENTS TO THE CLAIMS

In accordance with Rule 1.121, a complete claim listing is presented below, including appropriate status identifiers. Changes in the amended claims are shown by strikethrough for deleted material, and by underlining for added material.

1-27. (Cancelled)

28. (Previously Presented) A ceramic coated fiber, comprising:

(a) a fiber, and

(b) ceramic, coated on the fiber,

wherein the ceramic has a BET surface area of at least 200 m²/g, and

the ceramic comprises at least one member selected from the group consisting of Al₂O₃, ZrO₂, and MgO.

29. (Previously Presented) The ceramic coated fiber of claim 28, wherein the ceramic has a BET surface area of 200 m²/g to 300 m²/g.

30. (Previously presented) The ceramic coated fiber of claim 28, wherein the ceramic accounts for 10 to 90% by weight of the ceramic coated fiber.

31. (Previously presented) The ceramic coated fiber of claim 28, wherein the ceramic further comprises silver and/or palladium.

32. (Cancelled)

33. (Previously Presented) The ceramic coated fiber of claim 28, wherein the ceramic has a BET surface area of 200 m²/g to 2000 m²/g.

34. (Previously Presented) The ceramic coated fiber of claim 28, wherein the ceramic has a BET surface area of 200 m²/g to 500 m²/g.

35-44. (Cancelled)

45. (Previously Presented) The ceramic coated fiber of claim 28, wherein the ceramic has a BET surface area of at least 500 m²/g.

46. (New) A ceramic coated fiber, comprising:
 - (a) a fiber, and
 - (b) ceramic, coated on the fiber,
wherein the ceramic has a BET surface area of at least 200 m²/g, and
the ceramic comprises crystalline ceramic.
47. (New) The ceramic coated fiber of claim 46, wherein the ceramic comprises TiO₂ and/or TiON having an anatase structure.
48. (New) The ceramic coated fiber of claim 46, wherein the ceramic comprises at least one member selected from the group consisting of TiO₂, TiON, TiOS, Al₂O₃, ZrO₂, and MgO.
49. (New) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of 200 m²/g to 300 m²/g.
50. (New) The ceramic coated fiber of claim 46, wherein the ceramic comprises 10 to 90% by weight of the ceramic coated fiber.
51. (New) The ceramic coated fiber of claim 46, further comprising silver and/or palladium.
52. (New) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of 200 m²/g to 2000 m²/g.
53. (New) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of 200 m²/g to 500 m²/g.
54. (New) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of at least 500 m²/g.